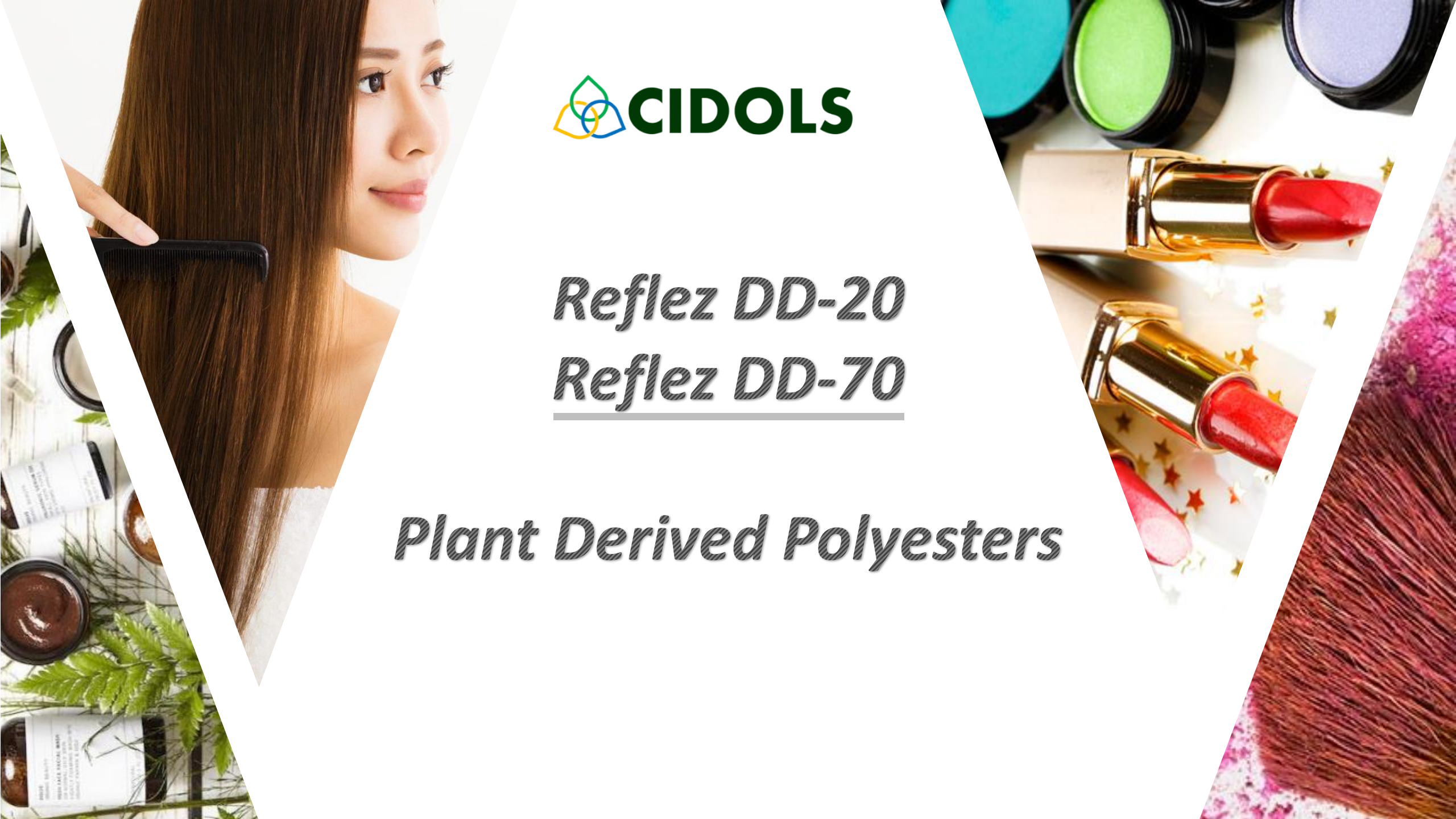




Reflez DD-20
Reflez DD-70

Plant Derived Polyesters





Function

1. Binder
2. Emollient
3. Hair & Skin conditioning
4. Viscosity controller
5. Texture Enhancer

Origins

Alcohol



Acid



Cancer ⓘ



None

High

Developmental & Reproductive Toxicity ⓘ



None

High

Allergies & Immunotoxicity ⓘ



None

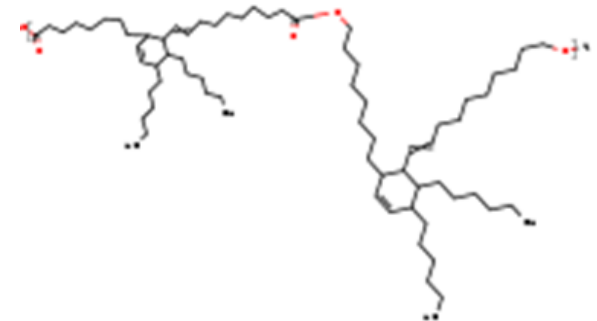
High

Source: EWG (The Environmental Working Group)

Reflez DD-20 & Reflez DD-70

Dimer Dilinoleyl Dimer Dilinoleate

Cas number: 378789-58-3



Reflez DD-20 Reflez DD-70 Dimer Dilinoleyl Dimer Dilinoleate

CosDNA

Binding agent; Lipophilic Thickener; Emollient Viscosity Control, Emollient



**DECENCIA
ayanasu
liquid
foundation
concentrate
SPF25 PA++**



**DECENCIA
ayanasu
essence
concentrate**



**ROHTO
episteme
CLINI
SCIENCE
White UV
shot**



**Elizabeth
Arden VI
TAMIN C
Ceramide
Capsules**



**Natural
glace skin
balancing
base**



**MISSHA
M Perfect
Blanc BB
Tension**

Viscosity Control, Emollient



**Christian
Dior Lip
Glow 001**



**Christian
Dior addict
stellar
shine-976**



**Kundal Honey
and
Macadamia
Hair
Treatment**



**FLABIOS
MINT
BOMB**



**TATCHA
Red
Camellia
Lip Balm**



**Kiko
Milano
New
Green Me
Volume
Mascara**

Reflez DD-20 Reflez DD-70

Products contains CIDOLS DD-20/DD-70:



LizK / Ageless
Gem Skin
Cream



MISSHA / M Perfect
Blanc BB tension



AGE 20'S / Jericho Rose
Essence Cover Pact



MISSHA / The
cushion skin
matt



ETUDE / Look At My Eyes Velvet (5Colors)



AGE 20'S / Volume
Essence Angeling Tone
up PACT

Reflez DD-20 Reflez DD-70



Features

- Excellent gloss and heat stability
- High viscosity and high adhesiveness
- PEG free
- Natural alternative for Polybutene

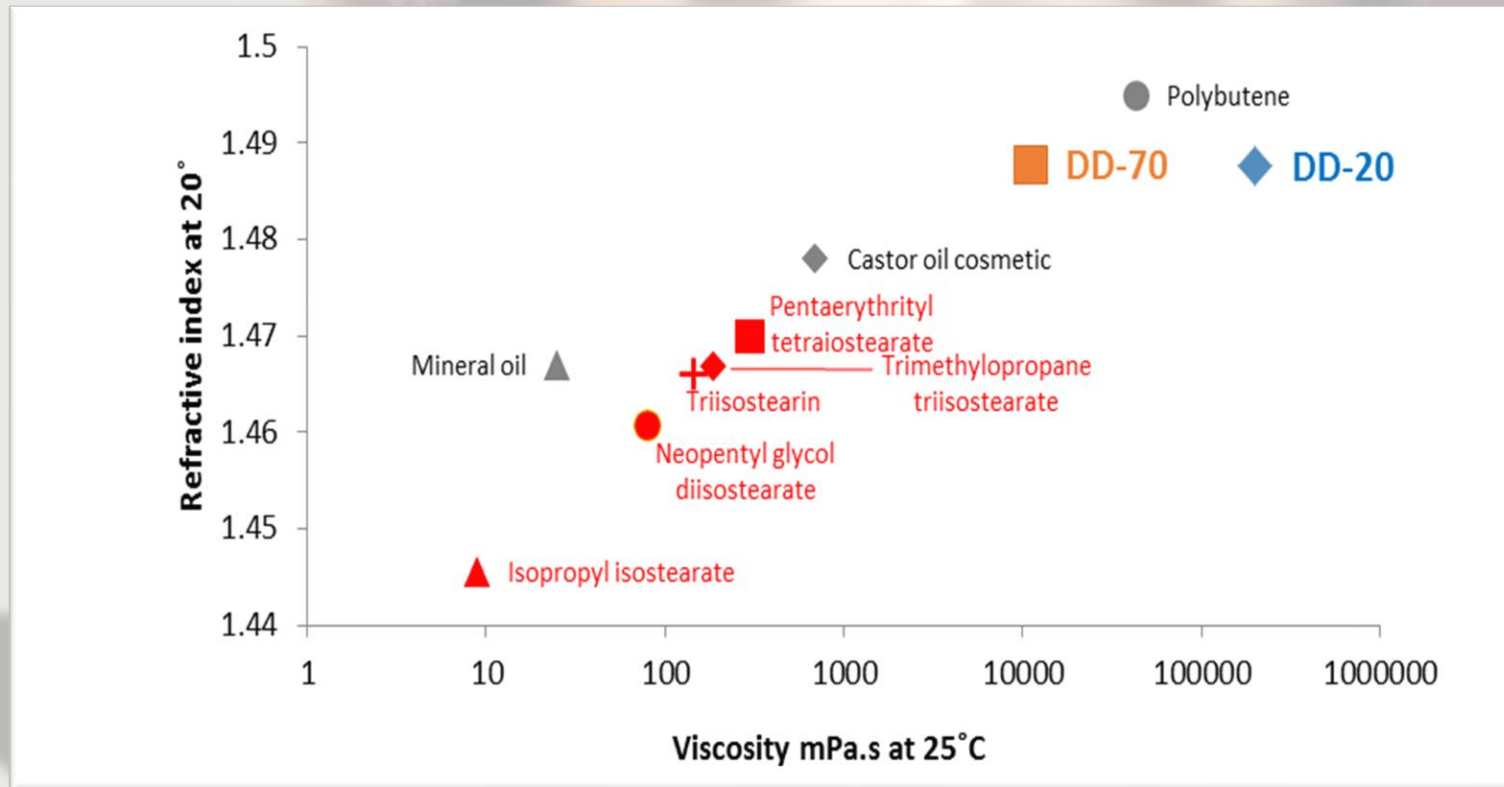


Applications

- Lipstick and lipgloss
- Hair styling products
- Silicone replacement formulation
-

Reflez DD-20 Reflez DD-70

Reflez DD-20 & Reflez DD-70 (refractive index)



**Superior gloss
Characteristic !!!**

Refractive Index : DD20 – 1.4875
DD70 – 1.4875

Reflez DD-20 Reflez DD-70

Solubility (compatibility)

Solvents/Oil	10% DD-20		10% DD-70	
	25°C	80°C	25°C	80°C
Sunflower oil	S	S	S	S
Propylene glycol	I	I	I	I
Mineral oil	S	S	S	S
IPM	S	S	S	S
IPP	S	S	S	S
Triethylhexanoin	S	S	S	S
Cetyl Ethylhexanoate	S	S	S	S
Dimethicone	I	I	I	I
cyclomethicone	I	I	I	I
MCT/GTCC/CCTG	S	S	S	S
Ethanol	I	I	I	I
Water	I	I	I	I

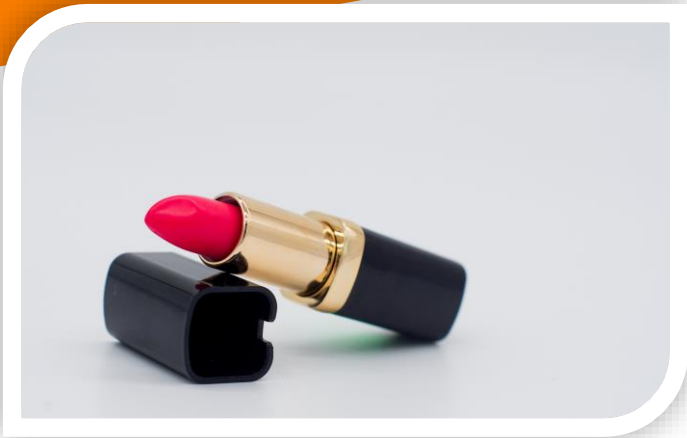
S: soluble I: insoluble

Solublizer 10% of DD20/DD 70 in the related Solvents/Oil

Barbie Pink Lipstick

Guided Formulation

Phase	Ingredient	INCI	Function	%WT
A	Reflez DD-20	<i>Dimer dilinoleyl Dimer Dilinoleate</i>	Viscosity builder	4.5
	Reflez DD-70	<i>Dimer dilinoleyl Dimer Dilinoleate</i>	Gloss Improver	10.4
	Feelz GO 310	<i>Triethylhexanoin</i>	Emollient	12.8
	DK PGTPASTE R7	<i>Polyglyceryl-2 Triisostearate, Red 7 (CI15850)</i>	Colorant	18
	DK PGTPASTE TI	<i>Polyglyceryl-2 Triisostearate, Titanium dioxide</i>	Colorant	7
B	Feelz EP 307	<i>Ethylhexyl Palmitate</i>	Emollient	18.3
	Beeswax	<i>Beeswax</i>	Binder	8.3
	Candelila Wax	<i>Candelila Wax</i>	Binder	5.7
	Carnauba wax	<i>Carnauba wax</i>	Binder	6.5
	Polyethylene	<i>Polyethylene</i>	Binder	3
	Sunflower oil	<i>Sunflower oil</i>	Emollient	5
C	Tocopherol	<i>Tocopherol</i>	Antioxidant	1
Procedure: Add all ingredients in Phase A and mixed until homogenous. Heat Phase A to 80°C Combine Phase B, heat to 80°C until all wax melt. Add Phase B and Phase C into Phase A and mixed. Pour into mold and chill.				



Attributes

Long-lasting and vivid color payoffs without fading easily
Light, smooth texture keeps lips moisturized without any stickiness
Transfer resistant

Silicone Free Shampoo

Guided Formulation

Phase	Ingredient	INCI	Function	%WT
A	Water	<i>Aqua</i>	Solvent	To 100
	Polyquaternium-10	<i>Polyquaternium-10</i>	Conditioning agent	0.4
	Sodium Laureth Sulfate	<i>Sodium cocoyl glycinate</i>	Surfactant	15
	Cocamidopropyl betaine	<i>Cocamidopropyl betaine</i>	Surfactant	8
	DMDM Hydantoin	<i>DMDM Hydantoin</i>	Preservative	0.1
B	Feelz ES 318	<i>Glycol distearate</i>	Pearlecent agent	2
	Cocoamide MEA	<i>Cocoamide DEA</i>	Surfactant	4
	Sodium sulfosuccinate	<i>Sodium sulfosuccinate</i>	Surfactant	4
	Reflez DD 70	<i>Dimer dilinoleyl Dimer Dilinoleate</i>	Emollient	1
C	Citric acid (50% solution)	<i>Citric acid</i>	pH adjuster	q.s
Procedure: Heat water and polyquaternium-10 at 80°C and stir until uniform. Add the remaining ingredients in Phase A and stir until homogenous. Combine ingredients in Phase B and heat to 80°C until completely dissolve. Add Phase B into Phase A. Cool the mixture to room temperature while stirring and add Phase C				



Attributes

Gives a rich and creamy foam.
Gives hair a smooth and supple feeling while washing
Provide a good wet comb

Oil Infused Serum



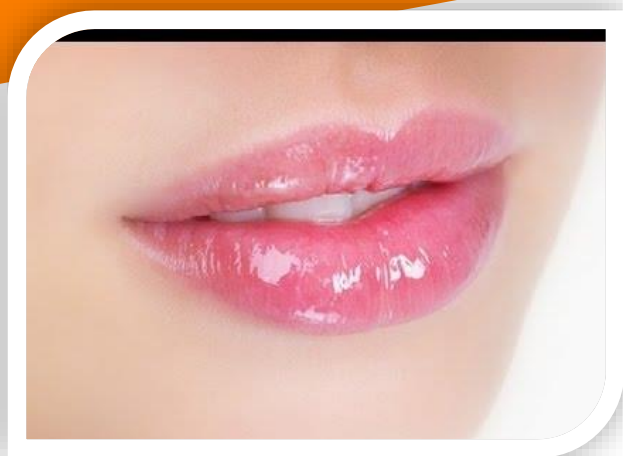
Attributes

Hydrates deeply and nourishes skin
with the perfect oil to water ratio.
Skin feels soft and smooth all day long

Guided Formulation

Phase	Ingredient	INCI	Function	%WT
A	Water	<i>Aqua</i>	Solvent	To 100
	Keltrol T Plus	<i>Xanthan gum</i>	Thickener	0.1
	Feelz GZ 101	<i>Glycerine</i>	Humectant	2
	Sodium Chloride	Sodium Chloride	Moisturizer	1.5
	NaEDTA	Disodium ethylenediaminetetraacetate	Chelating agent	0.1
	Sodium Benzoate	Sodium Benzoate	Preservative	0.5
	Cucumber extract	<i>Cucumber Extract</i>	Active	0.01
B	Reflez DD 20	<i>Dimer dilinoleyl Dimer Dilinoleate</i>	Emollient	2
	Feelz GC 206	<i>Capric/Caprilate Triglyceride</i>	Emollient	8
	Feelz EP 307	<i>Diethylhexyl palmitate</i>	Emollient	7.7
	Squalene	<i>Squalene</i>	Emollient	2
	Pomegranate Oil	Pomegranate Oil	Active	0.1
	Camelia Seed Oil	Camelia Seed Oil	Active	0.1
	Tocopherol Acetate	Tocopherol Acetate	Antioxidant	0.1
Procedure: Combine xanthan gum and glycerine then add water and stir until all xanthan gum is evenly dispersed. Add the remaining ingredients one by one in Phase A. Mix until all dissolve. Combine all ingredients in Phase B and mix until homogenous. Add Phase B into Phase A.				

Overnight Lip Mask



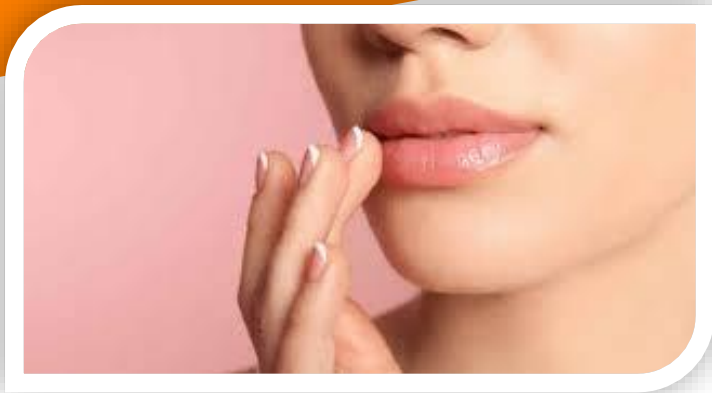
Attributes

Good adhesion and film forming.
Protects and retain moisture on your
lips while you are sleeping in an air
conditioned environment.
Long lasting moisturizing effect that
provide a healthy glowing lip

Guided Formulation

Phase	Ingredient	INCI	Function	%WT
A	Oil Gellant	<i>Polyamide</i>	Emollient	20
	Reflez SIL 100	<i>Isoamyl laurate (and) dimer dilinoleyl dimer dilinoleate</i>	Emollient	42
	Reflez DD 70	<i>Dimer dilinoleyl dimer dilinoleate</i>	Gloss improver	20
B	Grape Seed Oil	<i>Grape Seed Oil</i>	Moisturiser	8
	Sweet Almond Oil	<i>Sweet Almond Oil</i>	Repairs skin	8
	Tocopherol	<i>Tocopherol</i>	Antioxidant	2
Procedure: Combine Phase A in order and heat to 80°C until all dissolve. Combine ingredients in Phase B in a separate beaker. Add Phase B into Phase A and stir until a homogenous solution is obtained. Leave it to cool until room temperature				

Lip Oil



Attributes

Instant protection for chapped lips
Moisturize lips and leave a glossy effect

Guided Formulation

Phase	Ingredient	INCI	Function	%WT
A	Reflez DD 70	<i>Dimer Dilinoleyl Dimer Dilinoleate</i>	Film Former	15
	Naturaz IL 208	<i>Isoamyl laurate</i>	Emollient	25
	Pentaerythritol tetraoctanoate	Pentaerythritol tetraoctanoate	Emollient	35
	Sweet Almond Oil	Sweet Almond Oil	Emollient	10
	Sunflower Oil	Sunflower Oil		14
	Tocopherol	<i>Tocopherol</i>	Antioxidant	1
Procedure: Combine Phase A in order and mix until homogenous.				

Hair Mascara



Attributes

Semi permanent hair mascara,
suitable for a quick touch up to hide
visible gray or white hair.
Fast drying and provide an instant
hair makeover

Guided Formulation

Phase	Ingredient	INCI	Function	%WT
A	Water	<i>Aqua</i>	Solvent	To 100
	Carbomer	<i>Carbomer</i>	Thickener	0.1
	Magnesium Aluminium Silicate	Magnesium Aluminium Silicate	Thickener	2
	Floroester K20W	Hydrogenated Jojoba Oil (and) aqua	Moisturizer	0.5
	Euxyl 9010	Phenoxyethanol (and) ethylhexylglycerine	Preservative	1
B	Reflez DD 20	<i>Dimer dilinoleyl Dimer Dilinoleate</i>	Emollient	3
	Feelz IM 301	<i>Isopropyl Myristate</i>	Emollient	3
	Beeswax	<i>Beeswax</i>	Binder	3
	Candelila Wax	Candelila Wax	Binder	1.5
	Carnauba wax	Carnauba wax	Binder	3
	Stearic acid	Stearic acid	Emulsifier	1.5
	Feelz GS 210	<i>Glyceryl Stearate</i>	Emulsifier	5
	Akogel Plus	Hydrogenated vegetable oil	Binder	4
	WE70B	CI 77499 (and) Polyglyceryl-4 Isostearate (and) Cetyl PEG/PPG-10/1 Dimethicone (and) Hexyl Laurate (and) Isopropyl Titanium Triisostearate	Colorant	10
	Cyclopentasiloxane	Cyclopentasiloxane	Emollient	3
C	Koboguard RD HRPC	Hydrogenated Polycyclopentadiene (and) Polyethylene (and) Copernicia Cerifera (Carnauba) Wax (and) Tocopherol	Film Former	5
	Triethanolamine	Triethanolamine	pH adjuster	0.8
Procedure: Combine water, carbomer and magnesium aluminium silicate and stir until fully dispersed. Add the remaining ingredients in Phase A and mix. Mix all ingredients in Part B except cyclopentasiloxane and heat to 90°C until all dissolve. Combine Part B into Part A and homogenize for 30 seconds. Adjust to pH 7.5 using TEA				

THANK YOU



Our Mission :

“WE INVENT FOR A SUSTAINABLE FUTURE”

- In CIDOLS, we come together as a team to create solutions that nurture, protect and improve performance as a contribution to a sustainable future



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